

CLAIMS

1. A method of transmitting information, comprising the steps of:
repeatedly transmitting at least data packets of a particular type;
classifying information contained in the data packets; and
5 transmitting the information, for a number of times which is related to a class
associated therewith, through the data packets of said particular type.

2. A method according to Claim 1, wherein unimportant information is
transmitted no more than once, and important information is transmitted no less than a
predetermined number of times.

10 3. A method according to Claim 1, wherein said number of times is related to one
of a time interval of predetermined length and a predetermined number of consecutively
transmitted data packets.

15 4. A method according Claim 1, wherein a time lapse which separates
consecutive transmissions of information of a particular class is dependent on said
particular class.

5. A method according to claim 1, wherein the data packets of said particular type
are of a type used in RDS systems and correspond to an information word adapted to
contain a service name of a program.

20 6. A method of receiving information, comprising the steps of:
repeatedly receiving at least data packets of a particular type;
storing informational contents of the received data packets of said particular type;
and
classifying the informational contents according to a number of times that it has
been received.

25 7. A method according to Claim 6, wherein said number of times is related to one
of a time interval of predetermined length and a predetermined number of consecutively
received data packets.

8. A method according to either Claim 6, wherein the data packets of said particular type are of a type used in RDS systems and correspond to an information word adapted to contain a service name of a program.

9. A transmitter of information adapted to repeatedly transmit at least data
5 packets of a particular type, comprising:

a storage means adapted to contain information to be transmitted and to store said information to be transmitted in such a manner that it can be distinguished by a class associated therewith;

10 a read means adapted to select and read said information to be transmitted from said storage means as well as to prepare a digital signal including a sequence of data packets of which at least some are of said particular type, said read means being effective to repeatedly transmit the data packets of the particular type, classify the information contained in the data packets, and transmit the information, for a number of times which is related to a class associated therewith, through the data packets of said particular type;
15 and

a transmitting means adapted to receive said digital signal and to transmit it physically on a transmissive medium.

10. A transmitter according to Claim 9, wherein the transmitter is of a suitable type for RDS systems and the data packets of the particular type correspond to an
20 information word adapted to contain a service name of a program.

11. A receiver of information adapted to repeatedly receive at least data packets of a particular type, comprising:

a receiving means adapted to physically receive a signal from a transmissive medium and to output at least a corresponding digital signal including a sequence of data
25 packets of which at least some are of said particular type;

a storage means adapted to contain received information and to store said received information in such a manner that it can be distinguished by a class associated therewith; and

a write means adapted to extract at least data packets of said same type from said
30 digital signal and to write at least the informational contents thereof into said storage
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means, said write means being effective to repeatedly receive the data packets of the particular type, store informational contents of the received data packets of said particular type, and classify the informational contents according to a number of times that it has been received.

12. A receiver according to Claim 11, wherein the receiver is of a suitable type for RDS systems and the data packets of the particular type correspond to an information word adapted to contain a service name of a program.

13. A receiver according to Claim 12, including a display and a control means connected thereto and adapted to display, either simultaneously or as selected, information contained in data packets of said same type associated with at least two different classes.

14. A receiver according to Claim 12, including a further storage means for storing tuning information on preselected programs, wherein said further storage means is adapted to also contain, for each preselected program, a service name of a program associated with at least one given class.

15. A receiver according to Claim 12, including a further storage means for storing service names of programs associated with at least one given class, for programs being transmitted in a predetermined frequency band, and the control means connected thereto and adapted to produce a scanning and selective storage procedure for said band.

16. A method for transmitting information, comprising the steps of:
classifying a plurality of information types into a plurality of classes;
repeatedly transmitting data packets of a particular type at least some of which including at least one of the information types; and

controlling how frequently each of the information types is included in the data packets of the particular type based upon the class of the information type.

17. The method of claim 16, wherein the step of controlling how frequently each of the information types is included in the data packets of the particular type based upon the class of the information type is performed by determining how frequently to include

each information type in the data packets of the particular type in relation to one of a preselected time interval and a preselected number of consecutive transmissions of the data packets of the particular type.

5 18. A method for receiving information, comprising the steps of:
repeatedly receiving data packets of a particular type, at least some of which
including at least one of a plurality of information types; and
classifying the information types into a plurality of classes based upon how
frequently each of the plurality of information types is included in the data packets of the
10 particular type.

19. The method of claim 18, wherein the step of classifying the information
types into a plurality of classes based upon how frequently each of the plurality of
information types is included in the data packets of the particular type is performed by
15 determining how frequently each of the plurality of information types is included in the
data packets of the particular type in relation to one of a preselected time interval and a
preselected number of consecutive receptions of the data packets of the particular type.

20 20. A transmitter system, comprising:
a storage medium configured to store a plurality of information types and data
relating to classifications of the information types; and
a transmitter coupled to the storage medium to receive the information types and
data relating to classifications of the information types and physically transmit a plurality
of data packets of a particular type, the transmitter configured to include different
25 information types in the data packets of the particular type by including the different
information types in the data packets of the particular type at different rates.

21. A receiver system, comprising:
a receiver configured to receive a signal including a plurality of data packets of a
30 particular type and to classify information types included in the data packets of the
particular type into classes by determining how frequently the information types are
included in the data packets of the particular type; and

a storage medium coupled to the receiver to store the information types according to the classes of the information types.

22. The receiver system as claimed in claim 21, further comprising a display
5 coupled to at least one of the storage medium and the receiver and configured to display
at least one of the information types.

23. The receiver system as claimed in claim 21, further comprising a sound
decoder coupled to the receiver to decode an audio signal and an amplifier coupled to the
10 sound decoder to amplify the audio signal.

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